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...have certain overheads or weaknesses. For a # ary tree, the Wong et al. scheme requires # messages to be multicast. In Iolus [18], the new key for each subgroup is multicast to the subgroup encrypted with the old subgroup key. This presents a weakness because it sets up a...

...be updated whenever some members join leave the group. Many work has been done to deal with how to do the group rekeying efficiently [2, 5, 6, 7]. Among these approaches, most of them use the key tree to construct the logical key structure for the group. Using key tree...

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Algorithms for Dynamic - Multicast Key Distribution ([Correct](#))

An Integrated Approach To Encrypting Scalable Video - Ahmet Eskicioglu Dept ([Correct](#))

Dynamic Group Key Distribution Using MDS Codes - Xu ([Correct](#))

Active bibliography (related documents): [More](#) [All](#)

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0.3: Multicast Security Using Key Graphs And Secret Sharing.. - Department Of Computer ([Correct](#))

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46: Key Management for Multicast: Issues and Architecture (context) - Wallner, Harder et al. - 1997

45: Secure Group Communications Using Key Graphs - Wong, Gouda et al.

21: A reliable multicast framework for light-weight sessions and application level f.. - Floyd, Jacobson et al. - 1995

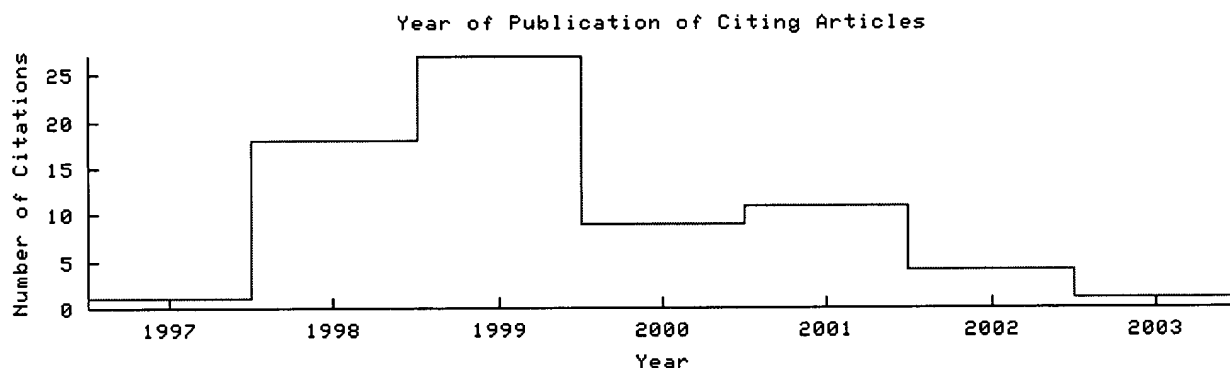
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- 678 A Reliable Multicast Framework for Light-Weight Sessions and.. - Floyd, Jacobson et al. - 1995
- 397 Host Extensions for IP Multicasting (context) - Deering - 1989
- 322 IEEE Transactions on Information Theory (context) - Diffie, Hellman et al. - 1976
- 302 The MD5 Message-Digest Algorithm (context) - Rivest - 1992
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- 231 vic: A Flexible Framework for Packet Video - McCanne, Jacobsen - 1995
- 165 Log-Based Receiver-Reliable Multicast for Distributed Intera.. - Holbrook, Singhal et al. - 1995
- 157 Data Encryption Standard (context) - of, of - 1977
- 137 Multicast Routing in Internetworks and Extended LANs (context) - Deering - 1988
- 64 Host Anycasting Service (context) - Partridge, Mendez et al. - 1993
- 48 Diffie-Hellman Key Distribution Extended to Group Communicat.. - Steiner, Tsudik et al. - 1996
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- 21 Secure Broadcasting Using the Secure Lock (context) - Chiou, Chen - 1989
- 21 Group Key Management Protocol (context) - Harney, Muckenhirn et al. - 1994
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- 7 On Internet Authentication (context) - Haller, Atkinson - 1994
- 3 An Architecture for Wide-Area Multicasting (context) - Deering, Estrin et al. - 1994
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Last Name = CORNILS

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Application#	Patent#	Status	Date Filed	Title	Inventor Name 10
<u>09615307</u>	Not Issued	092	07/13/2000	ARRAY OF PROCESSORS ARCHITECTURE FOR A SPACE-BASED NETWORK ROUTER	CORNILS, CURTIS LEE
<u>09536577</u>	Not Issued	030	03/28/2000	NETWORK COMPROMISE RECOVERY METHODS AND APPARATUS	CORNILS, CURTIS LEE
<u>09385555</u>	<u>6400927</u>	150	08/30/1999	METHOD AND APPARATUS FOR A MAPPING RECEIVER	CORNILS , CURTIS L.
<u>09085685</u>	<u>6269252</u>	150	05/27/1998	PROGRAMMABLE BRIDGING APPARATUS	CORNILS , CURTIS L.
<u>09080113</u>	<u>5999990</u>	150	05/18/1998	COMMUNICATOR HAVING RECONFIGURABLE RESOURCES	CORNILS , CURTIS L.
<u>09080108</u>	Not Issued	161	05/18/1998	METHOD FOR ALLOCATING RESOURCES IN A COMMUNICATOR HAVING MULTIPLE RECONFIGURABLE RESOURCE UNITS	CORNILS , CURTIS L.
<u>09034305</u>	Not Issued	161	03/02/1998	ARCHITECTURE FOR A GROUND SYSTEM TERMINAL FOR A BROADBAND NETWORK	CORNILS , CURTIS
<u>08980296</u>	<u>6098133</u>	150	11/28/1997	SECURE BUS ARBITER INTERCONNECT ARRANGEMENT	CORNILS , CURTIS LEE
<u>08912539</u>	<u>5944822</u>	150	08/18/1997	CHANNEL ISOLATION ARRANGEMENT AND METHOD FOR DISSOCIATED DATA	CORNILS , CURTIS LEE
<u>08309379</u>	<u>5551051</u>	150	09/20/1994	ISOLATED MULTIPROCESSING SYSTEM HAVING	CORNILS , CURTIS

				SYSTEMS TRACKING CIRCUIT FOR VERIFYING ONLY THAT THE PROCESSOR IS EXECUTING SET OF ENTRY INSTRUCTIONS UPON INITIATION OF THE SYSTEM CONTROLLER PROGRAM	
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Last Name = COMER

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Application#	Patent#	Status	Date Filed	Title	Inventor Name 13
<u>60247181</u>	Not Issued	159	11/09/2000	COMMUNICATION SECURITY INTERFACE	COMER, ERWIN
<u>60195723</u>	Not Issued	159	04/07/2000	COMMUNICATION NETWORK, APPARATUS AND METHOD FOR PROVIDING SURVEILLANCE SERVICES	COMER, ERWIN P.
<u>10167304</u>	Not Issued	030	06/11/2002	COMMUNICATION SYSTEMS AUTOMATED SECURITY DETECTION BASED ON PROTOCOL CAUSE CODES	COMER, ERWIN P.
<u>09950130</u>	Not Issued	030	09/10/2001	INTERCEPTION OF SECURE DATA IN A MOBILE NETWORK	COMER, ERWIN P.
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